

TOWN OF WEST SENECA



ENGINEERING DEPARTMENT

TOWN SUPERVISOR
GARY A. DICKSON
TOWN COUNCIL
JEFF PIEKAREC
JOSEPH CANTAFIO
ROBERT BREIDENSTEIN
SUSAN KIMS

July 11, 2022

Mr. Jeffrey Schieber, Code Enforcement Officer
Town of West Seneca

Re: Sanitary Sewer Capacity at 1130 Orchard Park Road

Dear Mr. Schieber,

Regarding the proposed project at the above referenced location, the developers engineer proposes that the development would add (4) 10 unit apartments with a design sewer flow of 8,800 gallons per day. This project is along a route of known sewer issues with sewer backups that have been documented during rainfall events. The developers engineer completed a downstream capacity analysis which indicated that during the course of their investigation the measured flows and theoretical flows available are as follows:

Node 1: 1001 Orchard Park Road (12 inch sanitary sewer)

Existing peak flow:	3.049cfs
Additional Peak flow:	0.0545 cfs
Theoretical Flow:	2.249 cfs

Node 2: 15" sanitary sewer at OP Road

Existing peak flow:	1.908cfs
Additional Peak flow:	0.0545 cfs
Theoretical Flow:	4.077 cfs

Node 3: OP Road at Fairfax (48" sewer)

Existing peak flow:	14.470cfs
Additional Peak flow:	0.0545 cfs
Theoretical Flow:	60.218 cfs

While there is capacity at Nodes 2 and 3, there isn't capacity along the 12" sewer that leads to Node 2. Additionally, we are concerned that given Node 1 flows to Node 2, that Node 2 isn't correct given that it should have a higher flow rate given Node 2 is downstream from node 1 and should be more flow, not less than Node 1. The developer's analysis indicates that the sewer at Node 1 backs up into the manhole (but continues to flow). The developers engineer determined that this wasn't an issue because the manhole didn't overflow. We disagree with this determination.

Overflows at a manhole are not an indication that the overflows aren't overflowing into residential basements or privately owned laterals. This project will only add to the amount of flow into this system, and we feel that a sewer upsizing from the development to the existing 15" sewer (at a minimum) may be necessary. This item should be investigated further before any approvals are made on this project.

Very truly yours,

Steven R. Tanner, P.E.

Steven R. Tanner, P.E.
Town Engineer

cc: Files: TB.
Chris Trapp, Consulting Town Attorney
Project